

Boc-Gly-Arg-Arg-MCA Substrate

Boc-Gly-Arg-Arg-MCA

CATALOG #
AAA60637

PRODUCT SYNONYMS

Boc-Gly-Arg-Arg-MCA; t-Butyloxycarbonyl-Glycyl-L-Arginyl-L-Arginine 4-Methyl-Coumaryl-7-Amide Boc-Gly-Arg-Arg-MCA Boc-GRR-AMC; Boc-Gly-Arg-Arg-MCA substrate

PRODUCT SPECIFICATIONS

Appearance	White amorphous powder
Specific Optical Rotation	$[\alpha]_D^{20} -40.5^\circ$ (c* 1.1, 50% AcOH) * c value was calculated from the net peptide weight.
Elemental Analysis	Found: C, 49.77 ; H, 7.30 ; N, 16.56 %
Amino Acid Analysis	Amino Hydrolysis : 6M HCl , 110°C, 22h Gly (1) 1.00 ; Arg (2)2.02
Thin Layer Chromatography	Layer : Silica Gel60 Application: 100ug Solvent System: n-BuOH : AcOH: H ₂ O : pyridine = 15:3:12:10 n-BuOH : AcOH: H ₂ O = 4:1:5 (upper phase)
Smiles	<chem>CC1=CC(=O)OC2=C1C=CC(=C2)NC(=O)C(CCCN=C(N)N)NC(=O)C(CCCN=C(N)N)NC(=O)CNC(=O)OC(C)(C)C</chem>
Preparation and Storage	Store at <-15°C

ADDITIONAL INFORMATION

Related Product Information for Boc-Gly-Arg-Arg-MCA substrate	Boc-Gly-Arg-Arg-AMC is a research tool that has a high purity and is used in cell biology, antibody production, ion channels, and protein interactions. It is an inhibitor of ion channels, which can be used for pharmacology to study the function of ion channels. Boc-Gly-Arg-Arg-AMC has also been shown to inhibit binding between the ligand and receptor.
Product Categories/Family for Boc-Gly-Arg-Arg-MCA substrate	Enzyme Substrate

NCBI AND UNIPROT INFORMATION

Molecular Weight	644.72 g/mol
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/substrate/boc-gly-arg-arg-mca/60637>